Amendments to the Claims:

The claims below replace all prior versions and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A system for supply chain alternative scenario analysis comprising a computer system, said computer system further comprising:

a) a spreadsheet application having a macro programming capability;

b) a supply chain model builder;

c) a supply chain model automatically generated by said supply chain model builder using input from said spreadsheet application, wherein said supply chain model has desired capabilities; ~~and~~

d) at least one supply chain scenario; and

e) an internode transit time table having internal demand nodes and terminal demand nodes, wherein the internode transit time table is configured to have statistical transit time data associated with transit time between nodes entered into the transit time table and wherein the transit time statistical data consists of mean and standard deviation values for the transit time by at least one of air, ground or sea.

2. (Original) The system of claim 1 wherein said model builder includes a design page that enables input of names of internal demand nodes, terminal demand node and parts sources.

3. (Original) The system of claim 2 wherein said design page further enables input of names of products, product forms and parts.

4. (Original) The system of claim 1 further including a symbolic interactive visual interface for constructing a scenario.

5. (Original) The system of claim 4 wherein said symbolic interactive visual interface Includes Interactive node Icons and Interactive connection elements.

2

6.   (Original) The system of claim 5 wherein said interactive node icons include icons for parts sources, internal demand nodes and terminal demand nodes.

7.   (Original) The system of claim 4 wherein said scenario includes more than one supply chain.

8.   (Currently Amended) A method for performing alternative supply chain analysis comprising the steps of:

a) classifying and naming nodes in a supply chain;

b) classifying and naming objects flowing through said supply chain;

c) building a supply chain model using said classifications and said names of said nodes and said objects, wherein said supply chain model is automatically built to have desired capabilities;

d) inputting data to said supply chain model to enable designing at least one supply chain scenario; ~~and~~

e) using said supply chain model for said designing of said at least one supply chain scenario;

f) a mean demand table and a standard deviation table, each configured to allow a user to enter mean and standard deviation values for a demand for each product, wherein the entered values correspond to a boundary condition for the supply chain analysis;

g) a bill of materials table for parts, wherein a required number of parts for each product is entered by a user into the bill of materials table for translating the demand of the product into a parts demand; and

h) a materials for product table configured to track product forms and intermediate assemblies of products, wherein a part transforms a product from one form to another so that a part is associated with the product table that results from its incorporation.

9.   (Original) The method of claim 8 wherein said nodes are classified as parts sources, internal demand nodes and terminal demand nodes.

3

10. (Previously Presented) The method of claim 8 wherein said objects flowing through the supply chain are classified as products, product forms and parts.

11. (Original) The method of claim 9 wherein said supply chain scenario is designed using an interactive symbolic visual interface.

12. (Original) The method of claim 11 wherein said interactive symbolic visual interface comprises interactive node icons and interactive connection element icons.

13. (Original) The method of claim 12 wherein said interactive node icons represent parts sources, internal demand nodes and terminal demand nodes.

14. (Previously Presented) The method of claim 13 wherein the scenario is altered using a visual display pointing device in association with the icons.

4

15.   (Currently Amended) A computer readable medium containing executable instructions which, when executed in a processing system, causes the system to perform the steps for analyzing alternative supply chains, comprising:

a) classifying and naming nodes in a supply chain;

b) classifying and naming objects flowing through said supply chain;

c) building a supply chain model using said classifications and said names of said nodes and said objects, wherein said supply chain model is automatically built to have desired capabilities;

d) inputting data to said supply chain model to enable designing at least one supply chain scenario; and

e) using said supply chain model for said designing of said at least one supply chain scenario;

f) classifying an internode transit time table having internal demand nodes and terminal demand nodes; and

g) entering into the internode transit time table statistical transit time data consisting of mean and standard deviation values associated with transit times between nodes by at least one of air, ground or sea.

16.   (Original) The computer readable medium of claim 15 wherein the instructions for classifying and naming said nodes cause said nodes to be classified as parts sources, internal demand nodes and terminal demand nodes.

17.   (Original) The computer readable medium of claim 15 wherein the instructions for classifying and naming said objects cause said objects to be classified as parts, product forms and products.

5

18.   (Original) The computer readable medium of claim 15, further including instructions for the operation of an interactive symbolic visual interface.

19.   (Original) The computer readable medium of claim 18 wherein said interactive symbolic interface comprises interactive node icons and interactive connection element icons

20.   (Original) The computer readable medium of claim 19 wherein said interactive node icons represent parts sources, internal demand nodes and terminal demand nodes.